

1 **What Is Claimed Is**

2 1. A guide clamp including:

- 3 □ a body for installment on an object;
- 4 □ a rod movable along the body;
- 5 □ a stationary jaw secured to the body for contact with an edge
- 6 of the object;
- 7 □ a movable jaw assembly movable along the body, the movable
- 8 jaw assembly including:
- 9 ■ a movable jaw for contact with an opposite edge of the
- 10 object;
- 11 ■ a plurality of locking plates each including an upper portion
- 12 defining an aperture for receiving the rod and a lower
- 13 portion extending from the upper portion at an angle,
- 14 wherein the apertures are sized so that the locking plates
- 15 easily slide on the rod whenever the upper portions thereof
- 16 are normal to the rod but lock to the rod whenever the
- 17 upper portions thereof are tipped from the normal position
- 18 as the upper portions of the locking plates are moved by
- 19 means of the rod while the lower portions of the locking
- 20 plates are stopped by means of the movable jaw;
- 21 ■ a release carrier movable relative to the movable jaw ; and
- 22 ■ a spring compressed between the movable jaw and the
- 23 locking plates for returning the upper portions of the
- 24 locking plates to the normal position; and
- 25 □ a cam pivotally connected with the rod for contact with the
- 26 stationary jaw so that pivotal of the lever and the contact of the

- 1 cam with the stationary jaw cause movement of the rod along
2 the body.
- 3 2. The guide clamp according to claim 1 further including a lever
4 extending from the cam for easy rotation of the cam.
- 5 3. The guide clamp according to claim 1 wherein the movable jaw
6 includes a first end, a second end, a bottom, a top, two walls and a
7 recess defined in the top, and the release carrier includes a connector
8 extending through the recess of the movable jaw and including an
9 enlarged end for abutting the movable jaw the release carrier.
- 10 4. The guide clamp according to claim 1 further including an end cap
11 secured to the body for keeping the movable jaw assembly to the
12 body.
- 13 5. The guide clamp according to claim 1 wherein the body includes
14 two individual members that are connected with each other.
- 15 6. The guide clamp according to claim 5 further including a connecting
16 device for connecting the individual members of the body with each
17 other.
- 18 7. The guide clamp according to claim 6 wherein each of the
19 individual members of the body defines a dovetail groove, and the
20 locking device includes a dovetail including two sections each
21 inserted in the dovetail groove of one of the bodies and two screw
22 each driven into each of the bodies through one of the sections of
23 the dovetail.
- 24 8. The guide clamp according to claim 7 wherein each of the sections
25 of the dovetail defines an aperture through which one of the screws
26 is driven.

- 1 9. A guide clamp set including two guide clamps according to claim 1.
- 2 10. The guide clamp set according to claim 9 including a connecting
- 3 device for connecting the guide clamps with each other.
- 4 11. The guide clamp set according to claim 10 wherein the body of each
- 5 of the guide clamps defines a groove, and the connecting device
- 6 includes:
- 7 □ a connecting plate including two claws put in the groove of the
- 8 body of each of the guide clamps;
- 9 □ a washer; and
- 10 □ a screw driven into the connecting plate through the washer.
- 11 12. The guide clamp set according to claim 11 wherein the connecting
- 12 plate defines an aperture for receiving the screw.
- 13 13. A guide clamp including:
- 14 □ a body including a first face for contact with an object and a
- 15 second face defining a groove including an open end for
- 16 receiving a fastening element, a bottom and a reduced top for
- 17 trapping the fastening element;
- 18 □ a stationary jaw secured to the body for contact with an edge of
- 19 the object;
- 20 □ a movable jaw assembly movable along the body, the movable
- 21 jaw assembly including:
- 22 ■ a movable jaw for contact with an opposite edge of the
- 23 object;
- 24 ■ a plurality of locking plates each including an upper portion
- 25 defining an aperture for receiving the rod and a lower
- 26 portion extending from the upper portion at an angle,

1 wherein the apertures are sized so that the locking plates
2 easily slide on the rod whenever the upper portions thereof
3 are normal to the rod but lock to the rod whenever the
4 upper portions thereof are tipped from the normal position
5 as the upper portions of the locking plates are moved by
6 means of the rod while the lower portions of the locking
7 plates are stopped by means of the movable jaw; and

8 ■ a release carrier movable relative to the movable jaw; and
9 □ a cam pivotally connected with the rod for contact with the
10 stationary jaw so that pivotal of the lever and the contact of the
11 cam with the stationary jaw cause movement of the rod along
12 the body.

13 14. The guide clamp according to claim 13 wherein the body includes
14 two individual members that are connected with each other.

15 15. The guide clamp according to claim 14 further including a
16 connecting device for connecting the individual members of the
17 body with each other.

18 16. The guide clamp according to claim 15 wherein the groove of each
19 of the individual members of the body is a dovetail groove, and the
20 locking device includes a dovetail including two sections each
21 inserted in the dovetail groove of one of the bodies and two screw
22 each driven into each of the bodies through one of the sections of
23 the dovetail.

24 17. The guide clamp according to claim 16 wherein each of the sections
25 of the dovetail defines an aperture through which one of the screws
26 is driven.

- 1 18. A guide clamp set including two guide clamps according to claim
2 13.
- 3 19. The guide clamp set according to claim 18 including a connecting
4 device for connecting the guide clamps with each other.
- 5 20. The guide clamp set according to claim 19 wherein the body of each
6 of the guide clamps defines a groove, and the connecting device
7 includes:
- 8 □ a connecting plate including two claws put in the groove of the
9 body of each of the guide clamps;
 - 10 □ a washer; and
 - 11 □ a screw driven into the connecting plate through the washer.
- 12
- 13